

IN THE SPECIFICATION:

Paragraph beginning at line 2 of page 1 has been amended as follows:

The present invention relates to a portable apparatus with an opening/closing lid such as, for example, a wristwatch or pocket watch having an openable/closable front lid, and to a timepiece armor assembly for a watch having an openable/closable front lid ~~for instance.~~

Paragraph beginning at line 7 of page 1 has been amended as follows:

As shown in Fig. 7A and Fig. 7B, among ~~the~~ known portable apparatuses such as, for example, ~~the~~ pocket watches, there is one having ~~the~~ an openable/closable front lid. In Fig. 7A and Fig. 7B, a timepiece armor assembly denoted generally by reference numeral ~~a sign~~ 1 is formed by a timepiece armor assembly main portion 2 and a front lid 3 pivotally connected to ~~this~~ the timepiece armor assembly main portion 2. The timepiece armor assembly main portion 2 has a frame-like case band 4, a cover glass 5 mounted to a surface of the case band 4, and a case back 6 mounted to a back face of the case band 4. The front lid 3 is attached to the case band 4 through a pivot axle 7 so as to be opened or closed relative to the cover glass 5.

Paragraph beginning at line 17 of page 3 has been amended as follows:

As to the constitution in which the front lid 3 is biased in its closing direction, ~~the~~ both end portions 10a, 10b of the torsion spring 10 used therefor are exposed to an outside of the front lid 3. In this case, there is the fact that, as shown in Fig. 7(A), one end portion 10a is slightly exposed from a surface of the front lid 3 by a dispersion in length of the both end portions 10a, 10b, a dispersion in thickness of the front lid 3, and the like. Under such a situation, there is a fear that at least one end portion 10a ~~and the like are~~ of the torsion spring is caught by a user's finger, ~~clothes~~ clothing and the like ~~when~~ during handling and ~~the like~~ of the pocket watch.

Paragraph beginning at line 10 of page 4 has been amended as follows:

Accordingly, a problem to be solved by the present invention is to provide a portable apparatus with an opening/closing lid and a timepiece armor assembly for a watch, each of which can improve the external appearance, ~~in~~ each of which clothes and the like are not caught by the end portion of the spring biasing the opening/closing lid, and each of which can maintain the biasing function for the opening/closing lid by the spring.

Paragraph beginning at line 19 of page 4 has been amended as follows:

~~A premise~~ An object of the present invention is to provide a portable apparatus with an opening/closing ~~lid,~~ lid in which to a frame-like portion of an apparatus armor main portion there is rotatably attached, through a pivot axle, the opening/closing lid for opening or closing individually a front face or a back face or both of these faces of the main portion, and this opening/closing lid is biased in its closing direction or opening direction by a spring.

Paragraph beginning at line 3 of page 5 has been amended as follows:

~~And, the~~ The present invention solves the foregoing ~~for solving the above problem in the conventional art by~~ providing ~~is characterized in that~~ the opening/closing lid ~~is provided~~ with a cylindrical axle fitting portion rotatably fitting to the pivot axle, and providing a spring accommodating hole facing this axle fitting portion ~~is provided~~ in a position biased from an axle center of the pivot axle of the frame-like portion, the spring consisting of a coil spring ~~is being~~ accommodated in this the spring accommodating hole under ~~its~~ a compressed state, and the opening/closing lid ~~is being~~ biased by giving application of a spring force of ~~this the~~ spring to the axle fitting portion.

Paragraph beginning at line 17 of page 11 has been amended as follows:

Fig. 5A is a sectional view showing a part of a watch according to a 2nd embodiment of the present invention under the state that the front lid has been ~~elose~~ closed;

Paragraph beginning at line 13 of page 12 has been amended as follows:

In Fig. 1, a ~~sign~~ reference numeral 21 denotes a wristwatch, for instance, as a portable apparatus with an opening/closing lid, and this wristwatch 21 is formed while accommodating a timepiece movement 23 (refer to Fig. 2 as built-in part in a timepiece armor assembly 22 as an apparatus armor assembly).

Paragraph beginning at line 18 of page 12 has been amended as follows:

As shown in Fig. 2 and Fig. 3, the timepiece armor assembly 22 has a timepiece armor main part or portion 25 as an apparatus armor main portion in the form of a case body, a front lid 26 as an opening/closing lid or cover member, and a coil spring as a biasing member for biasing this front lid 26 in its closing direction.

Paragraph beginning at line 23 of page 12 has been amended as follows:

The timepiece armor main portion 25 is formed while making a surface of the timepiece armor main portion 25 by bonding a transparent member in the form of a cover glass 32 to one face in thickness direction of its frame-like case band 31 by means of an adhesive, and making a back face of the timepiece armor main portion 25 by mounting, for example, an opaque metal-made case back 33 to the other face in thickness direction of the case band 31. The cover glass 32 covers a dial.

Paragraph beginning at line 18 of page 13 has been amended as follows:

As shown in Fig. 4, in a position spaced by about 180° from the crown 35 of the case band 31, there are respectively provided a support portion in the form of a pivot axle supporting convex portion 36 and, while being positioned in both sides of this, a pair of hollow bores forming spring accommodating holes 37. To the pivot axle supporting convex portion 36, there is attached penetrating in its width direction a pivot axle 38.

Paragraph beginning at line 25 of page 13 has been amended as follows:

As shown in Fig. 2 and Fig. 3, the spring accommodating hole 37 is drilled in a thickness direction of the case band 31 while extending in a direction perpendicular to an axis A (refer to Fig. 4) of the pivot axle 38. Each of these spring accommodating holes 37 is drilled in a thickness direction of the case band 31 while extending in a direction perpendicular to an axis A (refer to Fig. 4) of the pivot axle 38. Each of these spring accommodating holes 37 has a tapered hole bottom, and an opening 37a opened to one face of the case band 31 to which the cover glass 32 has been mounted. A center axis (i.e. a central longitudinal axis) B of each spring accommodating hole 37 is spaced or deviates from an axle center C of the pivot axle 38 in a radial direction of the case band 31. That is, in this embodiment, both of the spring accommodating holes 37 are provided while being biased toward an outside in the radial direction of the case band 31 by a deviation dimension D with respect to the axle center C. Stated otherwise, the center axis B of each spring accommodating hole does not intersect the axle center C of the pivot axle 38.

Paragraph beginning at line 13 of page 14 has been amended as follows:

The front lid 26 is made of, for example, a metal or synthetic resin, and has a circular shape somewhat smaller than the case band 31. The front lid 26 is provided with a pair of support portions or axle fitting portions 41 protruding from its circumference edge. These axle fitting portions 41 have a short cylindrical shape of approximately the same shape as the axle supporting convex portion 36. By inserting respectively end portions of the pivot axle 38 into each of a pair of axle fitting portions 41 disposed with the pivot axle supporting convex portion 36 being placed between them, the front lid 26 is attached so as to be rotatable about the pivot axle 38 with this being made a fulcrum. By this rotation, the front lid 26 can move over an opened position exposing the cover glass 32 and a closed position covering and concealing the cover glass 32.

Paragraph beginning at line 2 of page 15 has been amended as follows:

A The pair of axle fitting portions 41 attached while fitting to an outer circumference of the pivot axle 38, respectively face openings 37a of the spring accommodating holes 37 so as to close them, and are disposed just above the openings 37a in Fig. 2 and Fig. 3. In an outer circumference

face of the axle fitting portion 41, there is provided on planar or flat pressure-receiving outer circumference region 42 while forming a part of the outer circumference face. Additionally, within the outer circumference face of the axle fitting portion 41, an outer circumference region 41a, which faces the opening 37a of the spring accommodating hole 37 accompanying the fact that the front lid 26 is opened, is formed as a curved surface portion or by an arc face continuous to the pressure-receiving outer circumference region 42. This outer circumference region 41a becomes the arc face whose radius from the axle center C of the pivot axle 38 is an equal distance. In Fig. 2 and Fig. 3, ~~a sign~~ reference numeral 31a denotes a clearance portion formed in the case band 31 so as not to hinder a rotation of the axle fitting portion 41.

Paragraph beginning at line 20 of page 15 has been amended as follows:

In each spring accommodating hole 37, there are accommodated the coil spring 27, and a transmission body 45 supported by one end portion of this coil spring 27. Outer diameters of the coil spring 27 and the transmission body 45 are approximately equal to an inner diameter of the spring accommodating hole 37, and therefore center axes of the coil spring 27 and the transmission body 45 approximately coincide

with the center axis B of the spring accommodating hole 37. The coil spring 27 is incorporated under its compressed state under which the transmission body 45 is butted against the outer circumference face of the axle fitting portion 41, and the other end is butted against the hole bottom of the spring accommodating hole 37. Therefore, a spring force of the coil spring 27 is always transmitted or given to the axle fitting portion 41 through the transmission body 45, and thereby the front lid 26 is biased in its closing direction. The transmission body 45 has a pin-like form, its tip portion is formed in a convex curved face, e.g., hemispherical form, and ~~it~~ which contacts with the outer circumference face of the axle fitting portion 41 ~~by this convex curved face.~~

Paragraph beginning at line 15 of page 16 has been amended as follows:

As to the wristwatch 21 having the above ~~constitution~~ construction, a state that the front lid 26 has been closed so as to prevent ~~hinder a seeing of~~ the dial from being seen is shown in Fig. 2. Under this state, the pressure-receiving outer circumference region 42 which is a part of the outer circumference face of the axle fitting portion 41 faces so as to obturate or close the opening 37a of the spring accommodating hole 37, and the transmission body 45 is pressed to this pressure-receiving outer circumference

region 42 by the spring force of the coil spring 27. Therefore, the front lid 26 receives a clockwise biasing force in Fig. 2, and is maintained in its closed state. In this case, since the transmission body 45 is pressed to the flat pressure-receiving outer circumference region 42, a predetermined force is required in order that the transmission body 45 is transferred to the outer circumference region 41a, of the axle fitting portion 41, consisting of the arc face beyond a corner portion denoted by a sign 41b in Fig. 2, so that the front lid 26 is suppressed by a moderation of the predetermined force from being opened carelessly.

Paragraph beginning at line 9 of page 17 has been amended as follows:

~~In order to see the dial, it~~ View of the dial is made possible by counterclockwise opening the front lid 26 by means of a hand with the pivot axle 38 being made the fulcrum. A state that the front lid 26 has been opened is shown in Fig. 3. Under this opened lid state, the pressure-receiving outer circumference region 42 of the outer circumference face of the axle fitting portion 41 is engaged from the transmission body 45, and the arc-like outer circumference region 41a of the axle fitting portion 41 contacts with the transmission body 45.

Paragraph beginning at line 18 of page 17 has been amended as follows:

Therefore, even if the front lid 26 is greatly opened further, the coil spring 27 does not generate ~~excessively compressing~~ excessive compression by its motion, and it is possible that no large load is given to the front lid 26. ~~Cesequently~~ Consequently, since the coil spring 27 and an attaching portion of the front lid 26 are suppressed from being ~~injured~~ damaged and the spring force ~~of~~ generated ~~by the coil spring 27 does not generate~~ is not weak as well, it is possible to maintain the biasing function for the front lid 26 by the coil spring 27 for a long period of time.

Paragraph beginning at line 16 of page 18 has been amended as follows:

In addition ot this, as mentioned already, since the coil spring 27 is not exposed to the outside of the timepiece armor main portion 25, there is no fear that the end portion of the coil spring 27 ~~is~~ will be caught by the user's finger and ~~clothes~~ clothing, etc., ~~in various handling, etc.~~ during handling of the wristwatch 21. ~~is carried, so that it is~~ desirable.

Paragraph beginning at line 4 of page 19 has been amended as follows:

Fig. 5A and Fig. 5B show a 2nd embodiment of the present invention. Since this embodiment has basically the same constitution as the 1st embodiment, the same reference numerals ~~sign~~ as in the 1st embodiment are used ~~is applied~~ as to the same ~~constitution~~ structure, and explanations of that ~~constitution~~ structure and the ~~action~~ corresponding functions are omitted while providing an explanation of ~~and hereunder it is explained about~~ different structural portions.

Paragraph beginning at line 10 of page 19 has been amended as follows:

In the 2nd embodiment, the axle fitting portion 41 of the front lid 26 is made a polygonal cylindrical form and, in its outer circumference face, there are continuously provided plural planar or flat pressure-receiving outer circumference regions, e.g., pressure-receiving outer circumference regions 42a, 42b, in a circumferential direction of the axle fitting portion 41. By this, a corner portion 43 is formed between the adjoining pressure-receiving outer circumference regions 42a, 42b. Incidentally, it is desirable to provide three or more flat pressure-receiving outer circumference regions. Further, in this 2nd embodiment, from a relation that the polygonal cylindrical body is adopted in

the axle fitting portion 41 usually brazed to the front lid, the flat faces forming a polygonal shape are provided in place of the outer circumference region consisting of the arc face, of the axle fitting portion 41, adopted in the 1st embodiment, but it is also possible to make these portions by the arc faces.

Paragraph beginning at line 12 of page 20 has been amended as follows:

Fig. 6A and Fig. 6B show a 3rd embodiment of the present invention. Since this embodiment has basically the same constitution as the 2nd embodiment, the same ~~sign~~ reference numerals as the 2nd embodiment are used with respect ~~is applied as to the same constitution~~ construction, and explanations of that construction ~~constitution~~ and corresponding functions ~~the action~~ are omitted and only ~~hereunder it is explained about~~ different portions are explained.